

# AlphaGuard BIO 20

## LIQUID APPLIED FLAT ROOF SYSTEM

AlphaGuard BIO 20 is a two-part, polyurethane, liquid applied roofing system that can turn your older but still functional roof into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for either roof replacement or new build construction projects.

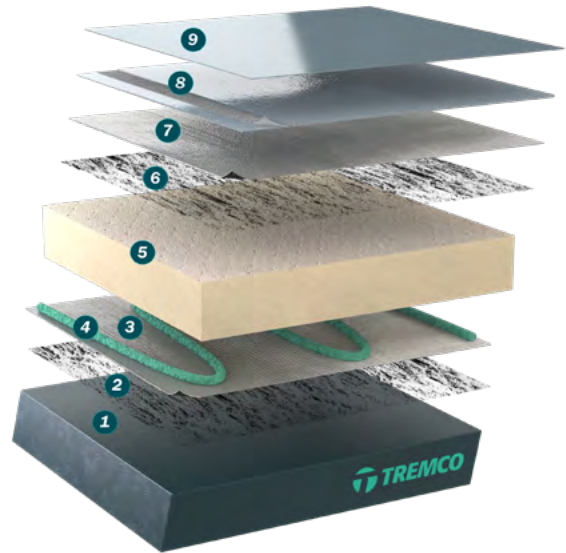
### Suitability

For built environment sectors across public and private including housing, education, healthcare, government buildings and commercial.



## System Features

- Two component chemical cure technology
- Very low odour
- Easy to maintain and repair
- Flame-free installation
- Independently certified to Broof(t4) classification (BS EN 13501-5)
- System durability of at least 25 years\*\*
- Very good resistance to chemicals, foot traffic, hail and mould/mildew/fungus
- High thermal resistance
- Excellent cold-weather flexibility, tensile strength and elongation properties
- Uninsulated and warm roof applications available
- Easy application by brush, roller or squeegee



Warm roof application

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	TremStik Spray-on Primer	Nominal
3	TremVap AVCL	0.65kg/m <sup>2</sup>
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m <sup>2</sup> (140mm PIR)***
6	TremStik Spray-on Primer	Nominal
7	TremVap Carrier Membrane	0.68kg/m <sup>2</sup>
8	AlphaGuard BIO Base Coat with AlphaGuard 225g Reinforcement	1.83kg/m <sup>2</sup>
9	AlphaGuard BIO Top Coat	0.8kg/m <sup>2</sup>



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### LIQUID APPLIED FLAT ROOFING SYSTEM



## System Compliance and Accreditations

### ECO CREDENTIALS



#### UK manufacturer

Tremco CPG is an international construction product manufacturer, including factories in the UK.



#### Sustainable component

AlphaGuard BIO base and top coat's composition predominantly includes castor oil.

### RESILIENCE



#### Fire safety

Independently certified to Broof(t4) classification (BS EN 13501-5). PIR & Mineral wool 25mm to 500mm fire test compliance.



#### Damage resistance

'Resistance to damage' rating of R4 (the highest level of acceptance) under MOAT 31.



#### Durability

Undergoing independent certification through the BBA for a system durability of at least 25 years.



#### Fit for purpose

AlphaGuard systems comply with BS 6229:2018 and guidance outlined within NHBC technical requirements for flat roofs and balconies.



#### Zero falls

Undergoing independent certification through the BBA for zero-falls for roofs with falls between 0 and 1:80.

### WARRANTY



#### Warranty

Once the system is installed and checked by our team the building owner will acquire a warranty of up to 20 years\*.



#### Planned preventative maintenance

We offer warranty extensions with our maintenance packages. This is managed through by our expert Aftercare Team.

### THE TREMCO DIFFERENCE

#### Single Source Solution

We are not only a UK manufacturer, we pride ourselves on offering a single source solution for roofing.

Whether new build or refurbishment, we design the roof/s, we install the chosen system via our network of Trusted Partners, monitor the install throughout, and a warranty is then issued.

Once completed our aftercare team is here to help in the unlikely event that you have problems with your new roof. They will also be the point of contact for roof maintenance. We offer a range of PPM (planned preventative maintenance) programmes to support building life cycle costing, as part of an estate's asset management plan.

A well structured maintenance plan can avoid costly reactive repairs and efficiently identify defects that could be detrimental to the long-term performance of the building. This due-diligence will provide added peace of mind to occupants and stakeholders alike.



For more information such as installation and product component data, view our Technical Data Sheets.

\*Warranties of up to 25 years are available depending on the system build-up components.

\*\*System durability currently under assessment via the BBA.

\*\*\*Data represents a typical build-up specification compliant to Part L Regulations.